Programming / Coding

What you know

Loops (for, while, do)

Data - Strings, Arrays

Object Oriented Programming

Version Control - Git

What you're unsure of

**Data Types / Basic Containers – List, Sets and Maps**

**Algorithm – sort, search,** hashing

**Data Structure - Linked List, Stacks, Queues, Priority Queues, Trees, Nodes**, Token\*

**Best Practice – Time and Space Complexity, Compilation vs. Interpretation**

**Miscellaneous - graphs, dynamic programming**

What you don't know at all

Memory Management

**Libraries**

Algorithms – upper and lower time and space bounds, levels of intractability, graph algorithm, greedy algorithms, dynamic algorithms, exhaustive search techniques, parallel algorithms

Real Life Frameworks

Web

Front End (Framework)

* AngularJS
* ReactJS
* VueJS
* JQuery

Back End

* Django
* Laravel
* Flask
* ASP.NET
* Rails
* NodeJS

Languages

* Java
* Python
* C
* C++
* JavaScript
* SQL
* HTML/CSS
* Bash
* Go

Cloud Computing Platforms

* AWS
* Google Cloud

Cloud Computing Techniques

* Containerization
* CI/CD
* Docking